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World Collection of Small Grains  
Germ Plasm Maintenance and Evaluation

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2501  
ABBREVIATION OF OAT VARIETAL NAMES

Part I. Alphabetical Listing by Varietal Name - pgs. 1-26

Part II. Alphabetical Listing by Abbreviations - pgs. 27-52

Compiled by

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Beltsville, Maryland

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The use of abbreviations for oat varietal names may at times be desirable especially if it is necessary to use the pedigrees in identifying a variety. However, confusion results when a varietal name is designated by more than one abbreviation. To prevent duplication of abbreviations, the accompanying list of oat varietal names is submitted as a guide for oat investigators to use when abbreviating a varietal name. The abbreviations as listed are those that will be used by the World Collection of Oats to identify an oat variety if it is not possible to use the varietal name. When it is necessary to abbreviate a varietal name, it is hoped that individuals engaged in oat investigations will use this list. Abbreviations are not intended to replace the varietal name as the complete name is still preferred in identifying a variety.

The procedure for arriving at these abbreviations is as follows:

(1) If a variety already had an established abbreviation of four letters or less that is generally recognized by oat workers, it was maintained.

(2) If there was no generally accepted abbreviation for a variety, an abbreviation was formulated by using the system suggested by L. W. Briggle, et al., in an article entitled "Rules for Abbreviating Wheat Variety Names," published in the Agronomy Journal, 52:613, 1960. All additional abbreviations added to this list will be determined by this system.

This list will be kept up-to-date by issuing supplement sheets whenever warranted by the number of new abbreviations. In order to prevent duplications, the World Collection of Oats will assign the abbreviations. If an abbreviation for a variety not listed is desired, it may be obtained by writing to:

Dr. J. C. Craddock  
World Collection of Small Grains  
Cereal Crops Research Branch  
Plant Industry Station  
Beltsville, Maryland



|                           |         |                         |         |
|---------------------------|---------|-------------------------|---------|
| Abbott                    | Ab      | Antonis Capaty Original | ACO     |
| Abed Danish Giant         | ADG     | Antoniski Bialy         | AB      |
| Abed Silver               | AS      | Antoniski Zolty         | AZ      |
| Abegweit                  | Abg     | Appler                  | Ap      |
| Aberystwyth S. 84         | Ar S84  | Archangel               | Aa      |
| Aberystwyth White 81      | AW 81   | Ardri                   | Ard     |
| Aberystwyth White 82      | AW 82   | Argentine               | Arg     |
| Abundance                 | Abd     | Argentine No. 12        | Arg 12  |
| Abyssinian                | Abs     | Argolia                 | Agl     |
| Achilles                  | Ac      | Arkansas 674            | Ark 674 |
| Acton                     | At      | Arkwin                  | Akw     |
| Adanero                   | Adr     | Arkwin 52               | Akw 52  |
| Adelaar                   | Ad      | Arkwin 60               | Akw 60  |
| Adlershafer               | Al      | Arlington               | Arl     |
| Adonis                    | Adn     | Ascencao                | Asc     |
| Advance                   | Adv     | Asquith                 | Asq     |
| Advocate                  | Avc     | Astra                   | Atr     |
| Alamo                     | Alo     | Atlantic                | Aln     |
| Alaska                    | Alk     | Aurora                  | Aur     |
| Alaska 326                | Alk 326 | Avalanche               | Alc     |
| Alaska Hull-less          | AH      | Avoine du Maroc         | ADM     |
| Alber                     | Abr     | Awnless                 | Als     |
| Alberta Cluster           | AC      | Awnless Culred          | ACl     |
| Albion                    | Alb     | Awnless Monarch         | AM      |
| Alcot White               | AWh     | Awnless Probsteier      | AP      |
| Alexander                 | Ax      | <u>Avena abyssinica</u> | Aa      |
| Algerian                  | Alg     | <u>Avena barbata</u>    | Ab      |
| Algerian Cape             | ACp     | <u>Avena brevis</u>     | Abs     |
| Algeribee                 | Agb     | <u>Avena byzantina</u>  | Abz     |
| Algerible                 | Agr     | <u>Avena decora</u>     | Adc     |
| Almeria                   | Alm     | <u>Avena diffusa</u>    | Ad      |
| Alsasman                  | As      | <u>Avena fatua</u>      | Af      |
| Altesse Jaune of Gembloux | AJG     | <u>Avena fatua "A"</u>  | Af      |
| Amarilla No. I            | Aml 1   | <u>Avena gris</u>       | Ag      |
| Amarilla No. II           | Aml 2   | <u>Avena nuda</u>       | An      |
| American Banner           | AmB     | <u>Avena orientalis</u> | Ao      |
| Amery                     | Am      | <u>Avena protensis</u>  | Ap      |
| Amisade                   | Asd     | <u>Avena sativa</u>     | As      |
| Anderson                  | Ads     | <u>Avena sterilis</u>   | Asl     |
| Andrew                    | And     | <u>Avena strigosa</u>   | Asg     |
| Angelica                  | Agc     | <u>Avena victoria</u>   | Av      |
| Anthony                   | Ath     |                         | A       |



|                      |         |                            |       |
|----------------------|---------|----------------------------|-------|
| Bahia Blanca         | BBc     | Bialy Mazur                | BMz   |
| Baikal               | Bkl     | Bialy Orzel                | BOL   |
| Baldur               | Bdr     | Bicknell                   | Bnl   |
| Baldwin              | Bw      | Pig Bay                    | BBy   |
| Ballard              | Bl      | Pig Corriente              | BCr   |
| Ballidu              | Bld     | Pig Four                   | BF    |
| Baltas               | Bt      | Big Yielder                | BY    |
| Bambu                | Bmb     | Biharia                    | Bh    |
| Bancroft             | Bc      | Binda                      | Bnd   |
| Banner               | Bnr     | Binder                     | Bi    |
| Banner 507           | Bnr 507 | Bingham                    | Bgh   |
| Banners Benalton     | BBn     | Birdwood                   | Bwd   |
| Bannock              | Bnk     | Black                      | Bk    |
| Barbata              | Brb     | Black Alaska               | BA    |
| Barley Oat           | BO      | Black Algerian             | BAg   |
| Barnsteadt           | Bs      | Black Beauty               | BBt   |
| Barum                | Bm      | Black Belgium              | BB1   |
| Barwon               | Bwn     | Black Bell                 | B1B   |
| Basin                | Bsn     | Black Bell II              | B1B 2 |
| Bathurst             | Bth     | Black Diamond              | BD    |
| Bavarian             | Bv      | Black Great Mogul          | BGM   |
| Baxter               | Btr     | Black Inversable           | BI    |
| Beacon               | Bcn     | Black Mesdag               | BM    |
| Beall                | Bll     | Black Norway               | BN    |
| Beardless Probsteier | BP      | Black Oat of Morocco       | BOm   |
| Beaver               | Bvr     | Black President            | BPd   |
| Beedee               | Bde     | Black Rival                | BR    |
| Belar                | Blr     | Black Speckled             | BS    |
| Belgian              | Bga     | Black Spring Oat           | BSO   |
| Belgium              | Bg      | Black Tartar               | BT    |
| Belgium No. 12       | Bg 12   | Black Tartarian            | BTi   |
| Beliak               | Blk     | Black Winter Oat           | BWO   |
| Belsinger Select     | BSl     | Blainslie                  | Bsle  |
| Belyak               | By      | Blanca                     | Bnc   |
| Bensings Findling    | BFl     | Blanca Alemana             | BA1   |
| Bentland             | Btl     | Blanche Rigide of Gembloux | BRG   |
| Benton               | Btn     | Bland White                | BWh   |
| Berger               | Brgr    | Beliver                    | Blv   |
| Berry 333            | Brr 333 | Bombo                      | Bbo   |
| Beseler II           | Bsl 2   | Bonanza                    | Bnz   |



|                      |         |
|----------------------|---------|
| Bond                 | Bd      |
| Bonda                | Bda     |
| Bondvic              | Bdv     |
| Bonham               | Bhm     |
| Boone                | Bne     |
| Boppy                | Bp      |
| Boree                | Be      |
| Borriesa             | Brs     |
| Borris Opus          | BOs     |
| Boswell Winter       | BW      |
| Boswell's Black      | BB      |
| Botler               | Br      |
| Bountiful            | Btf     |
| Bradley              | Bly     |
| Branch               | Bnh     |
| Breck's King         | BK      |
| Bridger              | Bgr     |
| Brigalow             | Blw     |
| Bright Yellow        | BY1     |
| Brighton             | Bht     |
| Bristol              | Brt     |
| Bronco               | Bco     |
| Brundah              | Bdh     |
| Brunker              | Bkr     |
| Buddah               | Bdd     |
| Buddah No. 991       | Bdd 991 |
| Budgery              | Bry     |
| Buenos Aires No. 107 | BAr 107 |
| Bulk Hybrid 155      | BH 155  |
| Bulk Hybrid 157      | BH 157  |
| Bulk Hybrid 158      | BH 158  |
| Bumper Crop          | BC      |
| Bunya                | Bny     |
| Burke                | Brk     |
| Burnett              | Bur     |
| Burraga              | Brg     |
| Burt's Early         | BE      |
| Bussey               | Bsy     |



|                         |         |                              |           |
|-------------------------|---------|------------------------------|-----------|
| Calcutta                | Cc      | Coker                        | Cok       |
| California Red          | CRd     | Colburt                      | Cbt       |
| Calvert                 | Cv      | College Algerian             | CAlg      |
| Camas                   | Cms     | College Success              | CS        |
| Camellia                | Cam     | College Wonder               | CWd       |
| Canada Cluster          | CC      | Colorado 13                  | Colo 13   |
| Canadian                | Cd      | Colorado 37                  | Colo 37   |
| Canadian Side           | CdS     | Columbia                     | Col       |
| Canuck                  | Cnk     | Columbian                    | Coln      |
| Captain                 | Ct      | Combine Pedigree Spring      | CPS       |
| Carleton                | Clt     | Comewell                     | Cwl       |
| Carolee                 | Cle     | Commercial White             | CWh       |
| Carolina Red            | CrR     | Common                       | Cmn       |
| Carolina Red 2          | CrR 2   | Comun                        | Com       |
| Cartier                 | Car     | Condon's White Bonanza       | CWB       |
| Cassel                  | Cs      | Condon's White Kharson       | CWK       |
| Castleton               | Ctt     | Control                      | Ctl       |
| Castleton Potato        | CP      | Copperfield                  | Cp        |
| Cedar                   | Cdr     | Corn Belt                    | CB        |
| Ceirch-du-bach          | Cdb     | Cornell Garry 5              | CG 5      |
| Ceirch-du-bach S 79     | Cdb S79 | Cornell Smut Resistant 5     | CSR 5     |
| Ceirch-du-bach S 80     | Cdb S80 | Cornell Smut Resistant 5-6-2 | CSR 5-6-2 |
| Ceirch Llwyd            | CL      | Cornell Smut Resistant 6     | CSR 6     |
| Centore                 | Cntr    | Cornelian                    | Cnl       |
| Challenge               | Cl      | Corriente                    | Crt       |
| Champion Hadmas         | CH      | Cowra                        | Cwr       |
| Chernigovka             | Cnv     | Cowra 34                     | Cwr 34    |
| Chernishevka            | Cnh     | Cowra 35                     | Cwr 35    |
| Cherokee                | Chk     | Craig                        | Cg        |
| Cherokee Reselection    | CRs     | Craigs Afterlea              | CA1       |
| Cimarron                | Cmr     | Crater                       | Ctr       |
| Cinerea                 | Cnr     | Crema                        | Cma       |
| Clarion                 | Cln     | Creme                        | Cm        |
| Cliff                   | Cf      | Criolla                      | Cll       |
| Climax                  | Cmx     | Criolla Saltena              | CSt       |
| Clintafe                | Ctf     | Cropwell                     | Cw        |
| Clintland               | Cld     | Crown                        | Cwn       |
| Clintland 60            | Cld 60  | Culberson                    | Cul       |
| Clintland Irradiated    | Cld X   | Culberson Winter             | CW        |
| Clinton                 | Ctn     | Culred                       | Crd       |
| Clinton 59              | Ctn 59  | Custis                       | Cts       |
| Clinton Early Selection | CES     | Cyprus White                 | CWt       |
| Clydesdale              | Cdd     | Czar of Russia               | CR        |
| Coastblack              | Cb      |                              |           |



|                         |        |
|-------------------------|--------|
| Danish                  | Ds     |
| Danish Island           | DI     |
| Danish Island Swedish   | DIS    |
| Danna 119               | Dn 119 |
| Dark Husk               | DH     |
| Dasix                   | Dx     |
| Daubeneys               | Db     |
| Delair                  | Dlr    |
| Delta Red 88            | DR 88  |
| DeSoto                  | Dso    |
| Detenixky Schlanstedsky | DS     |
| DeWitt                  | Dw     |
| Diamond Hull-less       | DHl    |
| Dickson 25              | Dsn 25 |
| Dipper Weis Hafer       | DWH    |
| Disco Hull-less 22      | DsH 22 |
| Dodd White              | DW     |
| Dodge                   | Dg     |
| Don de Dieu             | DD     |
| Dookie 10               | Dk 10  |
| Dookie 11               | Dk 11  |
| Drageruv Zluty          | DZ     |
| Dratt                   | Dt     |
| Dreger Yellow           | DY     |
| Dryland                 | Dl     |
| Dubois                  | Dub    |
| Duodecaploid            | Dd     |
| Duppawski               | Dp     |
| Dupree                  | Dpr    |
| Dwarf                   | Dwf    |
| Dwarf Culberson         | DC     |
| Dwarf Mutant            | DM     |
| Dwarf Oat               | DO     |
| Dzintera                | Dtr    |



|                     |        |
|---------------------|--------|
| Eagle               | Eg     |
| Earl Haig           | EH     |
| Early Blande        | EB     |
| Early Burt          | EBt    |
| Early Champion      | EC     |
| Early Dakota        | ED     |
| Early Fellow        | FF     |
| Early Gothland      | EG     |
| Early Joanette      | EJ     |
| Early May           | EM     |
| Early Miller        | EMl    |
| Early Mountain      | EMn    |
| Early Ohio          | EO     |
| Early Pearl         | EP     |
| Early Red Rustproof | ERR    |
| Early Ripe          | ERP    |
| Early Triumph       | ET     |
| Early Yielder       | EY     |
| Eaton               | En     |
| Eclipse             | Ec     |
| Edelhafer Oat       | Eot    |
| Edkin               | Edk    |
| Eno Tammisto        | ETm    |
| Elder               | Ed     |
| Elite Hardy 66      | Ehd 66 |
| Elwood              | Ew     |
| Emperor William     | Ewm    |
| Empire              | Ep     |
| Embaker             | Eb     |
| Endress White Oat   | EWO    |
| Engelbrechts        | Egb    |
| English             | El     |
| English Wonder      | EW     |
| Erban               | Ebn    |
| Esakaura            | Es     |
| Espoir de Gembloux  | EGb    |
| Esquel              | Eq     |
| Estramadura Grey    | EGy    |
| Excel               | Exl    |
| Exeter              | Ext    |
| Express             | Epr    |
| Extra Early         | EE     |
| Extra Reichster     | ER     |



|                               |           |                  |      |
|-------------------------------|-----------|------------------|------|
| Fair Oat                      | FO        | Fulgrain         | Fg   |
| Fairfax                       | Ffx       | Fulgrain No. 3   | Fg 3 |
| Fairfield                     | Ff        | Fulgrain No. 4   | Fg 4 |
| Fayette                       | Fyt       | Fulgrain No. 6   | Fg 6 |
| Felder                        | Fld       | Full Bright      | FB   |
| Ferguson 71                   | Frg 71    | Fulmer           | Fm   |
| Ferguson 560                  | Frg 560   | Fultex           | Ftx  |
| Ferguson 922                  | Frg 922   | Fulton           | Ftn  |
| Ferguson Navarro              | FN        | Fulton Selection | FS   |
| Fichtelgebirgshafer           | Ftg       | Fulwin           | Fwn  |
| Fifty Pound Black             | FPB       | Fulwin Composite | FC   |
| Finnea                        | Fn        | Fulwood          | Fwd  |
| Finnish White                 | FW        | Fundy            | Fdy  |
| Fishers Wirchenblatter III    | Fwc 3     |                  |      |
| Flamingsgold                  | Fng       |                  |      |
| Flamingstreue                 | Fns       |                  |      |
| Fleischman                    | Fs        |                  |      |
| Florad                        | Flr       |                  |      |
| Flores de Avila               | FA        |                  |      |
| Florida 167                   | Fla 167   |                  |      |
| Floriland                     | Frl       |                  |      |
| Floriland Irradiated 189      | Frl X 189 |                  |      |
| Florilee                      | Fle       |                  |      |
| Ford Early Giant              | FEG       |                  |      |
| Forkedeer                     | Fkd       |                  |      |
| Fortuna                       | Ft        |                  |      |
| Fortune                       | Frt       |                  |      |
| Forvic                        | Fv        |                  |      |
| Forward                       | Fw        |                  |      |
| Foundling                     | Fl        |                  |      |
| Fourth of July                | FJ        |                  |      |
| Fowlds Hull-less              | FH        |                  |      |
| Franklin                      | Fln       |                  |      |
| Frazier                       | Fz        |                  |      |
| Frazier's Red Rustproof       | FRR       |                  |      |
| Frazier's Rustproof Selection | FRS       |                  |      |
| French Black Oat              | FBO       |                  |      |
| Fulghum                       | Flg       |                  |      |
| Fulghum 713                   | Flg 713   |                  |      |
| Fulghum 726                   | Flg 726   |                  |      |
| Fulghum Red Texas             | FRT       |                  |      |



|                    |        |                   |     |
|--------------------|--------|-------------------|-----|
| Garry              | Gy     | Gopher            | Gph |
| Garton             | Gt     | Gordon            | Gd  |
| Garton No. 5       | Gt 5   | Gothland          | Gl  |
| Garton No. 22      | Gt 22  | Gouldregen        | Grn |
| Garton No. 74      | Gt 74  | Gray Houdan       | GH  |
| Garton No. 473     | Gt 473 | Gray Moor         | GMr |
| Garton No. 691     | Gt 691 | Gray Winter       | GW  |
| Garton No. 748     | Gt 748 | Great Dakota      | GDk |
| Garton No. 784     | Gt 784 | Great Lizo        | GL  |
| Garton No. 948     | Gt 948 | Great Mogul       | GM  |
| Garton Gray        | GGy    | Great Northern    | GN  |
| Garton White       | GWh    | Green Mountain    | GMT |
| Garton Yellow      | GY     | Green Russian     | GRs |
| Gelhafer           | Gh     | Green's Ruakura   | GRk |
| Gem of Michigan    | GMg    | Grey Algerian     | GA  |
| Gerlock            | Glk    | Grey Winter       | GWr |
| German Gray Winter | GGW    | Grignonnaise      | Gnn |
| Gidgee             | Gg     | Grise de Beauce   | GBc |
| Glabrota           | Glb    | Grivan            | Gv  |
| Glasnevin Sonas    | GS     | Grzywacz Wolynski | GWy |
| Glen Innes         | GI     | Guyra             | Gr  |
| Glen Innes No. 8   | GI 8   |                   |     |
| Gold Finder        | GF     |                   |     |
| Gold Queen         | GQ     |                   |     |
| Golden             | Gdn    |                   |     |
| Golden Beauty      | GB     |                   |     |
| Golden Drop        | GD     |                   |     |
| Golden Giant       | GG     |                   |     |
| Golden Gleam       | GGl    |                   |     |
| Golden Rain        | GR     |                   |     |
| Golden Rain 1      | GR 1   |                   |     |
| Golden Rain 2      | GR 2   |                   |     |
| Golden Rustproof   | GRp    |                   |     |
| Golden Sheaf       | GSh    |                   |     |
| Golden Yellow      | GdY    |                   |     |
| Goldfinder         | Gf     |                   |     |
| Goldkorn           | Gk     |                   |     |
| Goldmine           | Gm     |                   |     |
| Goldwin            | Gdw    |                   |     |
| Goodfield          | Gdf    |                   |     |



|                             |               |
|-----------------------------|---------------|
| Haciali Yulafi              | HY            |
| Hairy Culberson             | HC            |
| Hajira                      | Hj            |
| Hancock                     | Hck           |
| Hansen's 41                 | Hs 41         |
| Harbin 15                   | Hb 15         |
| Hardy Prolific Black Winter | HPBW          |
| Harvester                   | Hv            |
| Hasting                     | Hng           |
| Hasting's Hundred Bushel    | HHB           |
| Hatchett                    | Hc            |
| Hatvan                      | Hvn           |
| Haver III                   | Hvr 3         |
| Havre Stam 54               | HS 54         |
| Havre Stam 58               | HS 58         |
| Hawkeye                     | Hwk           |
| Hay's Favorite              | HF            |
| Heavyweight                 | Hw            |
| Heavy Weight Champion       | HWC           |
| Hennessey                   | Hns           |
| Hermit 7                    | Hm 7          |
| Hermit 10                   | Hm 10         |
| Heyne Dwarf                 | HD            |
| Highland                    | Hld           |
| Hirschbacker                | Hsb           |
| Hiver III                   | Hiv 3         |
| Hobson                      | Hbs           |
| Holmberg                    | Hbg           |
| Holmberg 54                 | Hbg 54        |
| Honester Imperial Blanca    | HIB           |
| Horse Feed                  | HFd           |
| Howdale Black Tartar        | HBT           |
| Hozan Zairai                | HZ            |
| Hudson                      | Hsn           |
| Hull-less                   | Hl            |
| Huron                       | Hrn           |
| Huron Irradiated            | Hrn X         |
| Hutchenson                  | Hn            |
| Hutchenson's Selection      | HnS           |
| Hvitling                    | Hvl           |
| Hybrid 2795-11-5            | Hbd 2795-11-5 |
| Hybrido Fe Au 12 M.S.       | HFA 12 M S    |



|                          |         |
|--------------------------|---------|
| Idamine                  | Idm     |
| Illinois 243             | Ill 243 |
| Illinois Hull-less       | JH      |
| Imbros Island            | II      |
| Improved American        | IA      |
| Improved American Banner | IAB     |
| Improved Hungarian       | IHg     |
| Improved Swedish         | IS      |
| Indian                   | Id      |
| Indio                    | Ido     |
| Innokentievka            | In      |
| Iogold                   | Iog     |
| Iogren                   | Iogr    |
| Iomine                   | Iom     |
| Iowar                    | Iow     |
| Irish Victor             | IV      |
| Isbell's New Johnson     | IJ      |
| Ithacan                  | Ith     |
| Ivanovka                 | Iv      |



|                  |     |
|------------------|-----|
| Jackson          | Jks |
| Jaipur           | Jp  |
| James            | Jm  |
| Janetzky Newbred | JN  |
| Janned Artois    | JA  |
| Japan            | Jpn |
| Joanette         | Jt  |
| Johnson          | Jsn |
| Jongensklip      | Jg  |
| Jostrain         | Jst |
| Jumin            | Jn  |



|                     |         |
|---------------------|---------|
| Kandas              | Kds     |
| Kanota              | Knt     |
| Kareela             | Krl     |
| Kaswarm             | Kw      |
| Kelsall             | Ksl     |
| Kelvin              | Kvn     |
| Kendall             | Kd      |
| Keystone            | Ks      |
| Kharkov 596         | Kk 596  |
| Kherson             | Khr     |
| Kherson 22          | Khr 22  |
| Kherson 27          | Khr 27  |
| Kherson 34          | Khr 34  |
| Kherson 99          | Khr 99  |
| Khybing 01          | Kb 01   |
| Khybing 02          | Kb 02   |
| Kilby Hull-less     | KH      |
| Kinvarra            | Kvr     |
| Kinvarra A-8        | Kvr A8  |
| Kinvarra B-34       | Kvr B34 |
| Kirsche's Gelb      | KG      |
| Kirsche's Gelbhafer | KGh     |
| Kirsches Weiss      | KW      |
| Kirshe              | Kh      |
| Klein 69b           | Kln 69b |
| Klein Al            | Kln Al  |
| Klein Capa          | KC      |
| Klein Mar           | KM      |
| Klein Mar 106       | KM 106  |
| Klein Ua            | KU      |
| Klein Victoria      | KV      |
| Kolben's Vienauer   | KVn     |
| Korall              | Kr      |
| Korean Native       | KN      |
| Koscialecki         | Kcl     |
| Kraffts Gelbhafer   | KrG     |
| Krasnoe             | Kn      |
| Kremova             | Kv      |
| Kuchuki             | Kc      |
| Kurrajong           | Krj     |
| Kurri               | Krr     |
| Kyota               | Kyt     |
| Kytokaura           | Ktk     |



|                             |         |                     |     |
|-----------------------------|---------|---------------------|-----|
| La Estanzuela               | LE      | Ligowo              | Lgw |
| La Estanzuela 64S           | LE 64S  | Ligowo Bril         | LB  |
| La Industria                | LI      | Ligowo Giant        | LG  |
| La Prevision                | LP      | Ligowo Svalof       | LS  |
| La Prevision 13             | LP 13   | Lilly's Black Side  | LBS |
| La Salle                    | LS1     | Lincoln             | Lc  |
| Lachlan                     | Ll      | Lischower Freehafer | LF  |
| Laggan                      | Lg      | Logan               | Lgn |
| Lampton                     | Lmp     | Long Houghton       | LHt |
| Lanark                      | La      | Longfellow          | Lf  |
| Landhafer                   | Lh      |                     |     |
| Lh 3x Mdo 2x Hj x Jt 4x And | LMHJA   |                     |     |
| Langgewens                  | Lgg     |                     |     |
| Larain                      | Lrn     |                     |     |
| Large Hull-less             | LHl     |                     |     |
| Laurel                      | Lrl     |                     |     |
| Lawson                      | Ls      |                     |     |
| Lawson Rustproof            | LR      |                     |     |
| Lazio                       | Lz      |                     |     |
| LeConte                     | Lec     |                     |     |
| Legacy                      | Lcy     |                     |     |
| Lelate                      | Llt     |                     |     |
| Lelina                      | Lln     |                     |     |
| Lembkes Baldur              | LBd     |                     |     |
| Lemont                      | Lm      |                     |     |
| Lenoir                      | Lnr     |                     |     |
| Lenroc                      | Lr      |                     |     |
| Leroy                       | Lry     |                     |     |
| Letoria                     | Lt      |                     |     |
| Letoria Sel.                | LtS     |                     |     |
| Letoria Sel. 6              | LtS 6   |                     |     |
| Levic                       | Lv      |                     |     |
| Levic Sel.                  | LvS     |                     |     |
| Libertas                    | Lbs     |                     |     |
| Liberty                     | Lb      |                     |     |
| Liberty Hull-less           | LH      |                     |     |
| Light Husk                  | LHs     |                     |     |
| Lignee 834                  | Lge 834 |                     |     |
| Lignee 979                  | Lge 979 |                     |     |
| Ligovo                      | Lgv     |                     |     |



|                                     |                 |                     |               |
|-------------------------------------|-----------------|---------------------|---------------|
| Mabel                               | Mb              | Milford             | Mlf           |
| Macon                               | Mcn             | Milton              | Mlt           |
| Macrocarpa                          | Mr              | Mindo               | Mdo           |
| Madison County Red                  | MCR             | Minhafer            | Mhf           |
| Madrid                              | Md              | Minland             | Mld           |
| Maganski 044                        | Mn 044          | Minnesota 6         | Minn 6        |
| Maganski A 339                      | Mn A339         | Minnesota 26        | Minn 26       |
| Maganski 339                        | Mn 339          | Minnesota 281       | Minn 281      |
| Magistral                           | Mgst            | Minnesota 295       | Minn 295      |
| Maine 340                           | Man 340         | Minnesota 313       | Minn 313      |
| Malgah 82                           | Mgh 82          | Minnesota 331       | Minn 331      |
| Mammoth                             | Mmt             | Minnesota II-22-220 | Minn 2-22-220 |
| Mammoth Cluster                     | MC              | Minor               | Mnr           |
| Manshalt I                          | Ms 1            | Minota              | Mto           |
| Manshalt II B                       | Ms 2 B          | Minrus              | Mrs           |
| Manshalt III                        | Ms 3            | Minton              | Mtn           |
| Marczak                             | Mz              | Miomark             | Mmk           |
| Margaritovo                         | Mgt             | Miracle             | Ml            |
| Marida                              | Mrd             | Mission             | Msn           |
| Marion                              | Mrn             | Mississippi P 54-D  | Miss P54-D    |
| Markton                             | Mkt             | Mohawk              | Mhk           |
| Markur                              | Mkr             | Monarch             | Mrh           |
| Marmac                              | Mmc             | Monogram            | Mgm           |
| Marne                               | Mar             | Montana             | Mont          |
| Marrett's Anderson                  | MA              | Montcalm            | Mc            |
| Marrett's H 599-8-X-9               | Mrr H 599-8-X-9 | Montferrandaise     | Mfr           |
| Marrett's Hybrid 75                 | MHy 75          | Mopso               | Mps           |
| Marrett's Winter Resistant 6        | MWR 6           | Moregrain           | Mg            |
| Marrett's Winter Resistant 34-11-19 | MWR 34-11-19    | Morota              | Mro           |
| Marvic                              | Mv              | Mortgage Lifter     | ML            |
| Maskowsky                           | Mks             | Mulga               | Mlg           |
| Maximcrop                           | Mxc             | Multiple Cross      | MCr           |
| Mazas Agras                         | MAg             | Multiple Hybrid     | MH            |
| Mi Nue                              | MN              | Mustang             | Mstg          |
| Miami                               | Mm              | Mutica              | Mt            |
| Michigan                            | Mich            | Mygall              | Mgl           |
| Michigan Wonder                     | MW              | Myraj               | Mrj           |
| Midmark                             | Mmr             | Myrtle              | Mtl           |
| Mid-South                           | MS              |                     |               |



|                                       |          |                 |       |
|---------------------------------------|----------|-----------------|-------|
| Naked                                 | Nk       | Northern 2      | Nr 2  |
| Naked Awnless                         | NA       | Northern Wonder | NW    |
| Nakota                                | Nkt      | Norton          | Ntn   |
| National                              | Nn       | Norton 3        | Ntn 3 |
| Navarro                               | Nvr      | Norway          | Nw    |
| Nebraska 5                            | Neb 5    | Norway King     | NK    |
| Nebraska 517                          | Neb 517  | Novo Belmanovka | NBm   |
| Nebraska 519                          | Neb 519  | Novojatkovo     | Nj    |
| Nebraska 520                          | Neb 520  | Nuparie         | Npr   |
| Nebraska 521                          | Neb 521  | Nysel           | Nys   |
| Nehawka                               | Nka      |                 |       |
| Nelson                                | Ns       |                 |       |
| Nelzowsky                             | Nz       |                 |       |
| Nemaha                                | Nmh      |                 |       |
| Neosho                                | Nsho     |                 |       |
| New Banker                            | NB       |                 |       |
| New Danish White                      | NDW      |                 |       |
| New Era                               | NE       |                 |       |
| New Jersey A-2-2                      | NJ A-2-2 |                 |       |
| New Jersey B-2-2                      | NJ B-2-2 |                 |       |
| New Leader                            | NL       |                 |       |
| New Nortex                            | NN       |                 |       |
| New Sensation                         | NS       |                 |       |
| New Victory                           | NV       |                 |       |
| New Zealand                           | NZ       |                 |       |
| Newmarket                             | Nm       |                 |       |
| Newton                                | Nwt      |                 |       |
| Niagara                               | Nga      |                 |       |
| Nicol                                 | Ncl      |                 |       |
| Nicholson's Extra Early Red Rustproof | NERR     |                 |       |
| Nicholson's Hundred Bushel            | NHB      |                 |       |
| Nidar                                 | Nd       |                 |       |
| Niemierczanski                        | Nmz      |                 |       |
| Ninety Day                            | ND       |                 |       |
| Nizhni Janchich                       | NJc      |                 |       |
| Nodaway                               | Ndy      |                 |       |
| Noir de Versailles                    | NVs      |                 |       |
| Nopsa                                 | Np       |                 |       |
| Norline                               | Nrl      |                 |       |
| Nortex                                | Ntx      |                 |       |
| Nortex 107                            | Ntx 107  |                 |       |
| North Finnish                         | NF       |                 |       |
| North Finnish Black                   | NFB      |                 |       |



|                         |             |
|-------------------------|-------------|
| Odenwalder              | Ow          |
| Oderbrucker             | Ob          |
| Oklahoma 462567         | Okla 462567 |
| Old Island Black        | OIB         |
| Olin's Choice           | OC          |
| Olney                   | On          |
| Oneida                  | Oda         |
| Ont. Agric. College 3   | OAC 3       |
| Ont. Agric. College 72  | OAC 72      |
| Ont. Agric. College 144 | OAC 144     |
| Ont. Agric. College 500 | OAC 500     |
| Onward                  | Owd         |
| Orient                  | Ort         |
| Oriental                | Onl         |
| Orion                   | Orn         |
| Orion III               | Orn 3       |
| Oro Gold                | OG          |
| Osage                   | Osg         |
| Osinovka                | Osv         |
| Ottawa 1436             | Ott 1436    |
| Otterbacker             | Ot          |
| Overland                | Ovl         |



|                          |        |
|--------------------------|--------|
| Palais de Goda           | PG     |
| Palestine                | Pls    |
| Palomino                 | Plm    |
| Palouse Wonder           | PW     |
| Pampa                    | Pp     |
| Patterson                | Pt     |
| Pavlovka                 | Pl     |
| Peerless                 | Ple    |
| Pellervä                 | Pl1    |
| Pelso                    | Ps     |
| Pelso Black              | PB     |
| Pendek                   | Pdk    |
| Pentagon                 | Ptg    |
| Petkuser Flaminggold     | PF     |
| Pioneer                  | Pnr    |
| Platonovo Alekandrovskoe | PA     |
| Plentiful                | Ptf    |
| Pluie d'Or               | PO     |
| Pluie d'Or II            | PO 2   |
| Podkowa                  | Pk     |
| Polar                    | Plr    |
| Polonea                  | Pn     |
| Portage                  | Prtg   |
| Portuguesa               | Pgs    |
| Potato                   | Ptt    |
| President                | Pd     |
| Primus                   | Prs    |
| Primus II                | Prs 2  |
| Prince Royal             | PR     |
| Pringle Progress         | PP     |
| Probsteier               | Pbs    |
| Progress                 | Pg     |
| Prolific                 | Plf    |
| Prolifique Blanche       | PBn    |
| Pulawski                 | Pw     |
| Pusa Hybrid              | PH     |
| Putnam 61                | Ptm 61 |



|               |    |
|---------------|----|
| Quaker        | Qk |
| Quality       | Qt |
| Quandong      | Qd |
| Quincy Gray   | QG |
| Quincy Red    | QR |
| Quite Content | QC |



|                            |        |                        |          |
|----------------------------|--------|------------------------|----------|
| Race Horse                 | RH     | Rosman                 | Rm       |
| Radar 1                    | Rdr 1  | Rothenburger Nachwuchs | RSw      |
| Radar 2                    | Rdr 2  | Royal                  | Rxt      |
| Radford                    | Rf     | Royal Seal             | RSt      |
| Radnorshire Sprig          | Rs     | Rushura                | Rku      |
| Radosinsky Zlut            | Rz     | Rushura Rustproof      | RRp      |
| Rainbow                    | Rb     | Rucklands              | Rl       |
| Raleigh                    | Rg     | Rusota                 | Rso      |
| Randolph                   | Rd     | Russell                | Rsl      |
| Ranger                     | Rgr    | Russian 75             | Rs 75    |
| Rangler                    | Rgl    | Russian 76             | Rs 76    |
| Ransom                     | Ran    | Russian 77             | Rs 77    |
| Record                     | Rr     | Russian 25537          | Rs 25537 |
| Red Algerian               | RA     | Russian 25542          | Rs 25542 |
| Red Algerian 236           | RA 236 | Rustler                | Rlr      |
| Red Coast                  | RC     | Rustproof 14           | Rpf 14   |
| Red Indian                 | RId    | Rychlik Oberek         | ROb      |
| Red Inland                 | RI     |                        |          |
| Red Oat                    | RO     |                        |          |
| Red Rustproof              | RR     |                        |          |
| Red Rustproof Backcross    | RRB    |                        |          |
| Red Rustproof Double Cross | RRD    |                        |          |
| Red Spring                 | RSg    |                        |          |
| Red Texas                  | RT     |                        |          |
| Regenerated Yielder        | RY     |                        |          |
| Reina White                | RW     |                        |          |
| Resistance                 | Rst    |                        |          |
| Richland                   | Rld    |                        |          |
| Ripon                      | Rpn    |                        |          |
| Rispen or Riapen           | Rp     |                        |          |
| Ritzelhafer                | Rz     |                        |          |
| River Plate                | RP     |                        |          |
| Roanoke                    | Rnk    |                        |          |
| Robertson                  | Rrs    |                        |          |
| Rodney                     | Rdy    |                        |          |
| Rodney Selection           | RS1    |                        |          |
| Romana                     | Rn     |                        |          |
| Romana 6                   | Rn 6   |                        |          |



|                          |           |                      |               |
|--------------------------|-----------|----------------------|---------------|
| Saisine                  | Sas       | Shlykov 7237         | Skv 7237      |
| Salzer's National        | SN        | Shlykov 8231         | Skv 8231      |
| Samantha 88              | Smt 88    | Shlykov 8232         | Skv 8232      |
| Samantha 103             | Smt 103   | Siberian             | Sb            |
| Sandford                 | Sf        | Siberian 1-15        | Sb 1-15       |
| Sandhafer                | Sh        | Siberian 1-15        | Sb 2-45       |
| Sandwich                 | Sw        | Siberian 3-15        | Sb 3-45       |
| Sandy                    | Sy        | Siberian 1-15        | Sb 4-45       |
| Santa Fe                 | SF        | Siberian 215         | Sb 245        |
| Santa Fe Selection       | SFS       | Siberian White       | SW            |
| Santa Fe 1 Sel. 1        | SF 1-1    | Siberian Winter Turf | SWT           |
| Santa Fe 1 Sel. 2        | SF 1-2    | Sibiryak 1044        | Sbry 1044     |
| Sayre                    | Syr       | Sidney               | Sny           |
| Schlagler                | Slg       | Sidonian             | Sd            |
| Schoenen                 | Sn        | Siegeshafer          | Sgh           |
| Schoolmam                | Schm      | Silber               | Sbr           |
| Schumacher 7             | Smh 7     | Silberhafer          | Sbh           |
| Schwarzhafer             | Swr       | Silensia             | Sns           |
| Scotchland               | Seld      | Silva                | Slv           |
| Scotian                  | Sct       | Silva 1729-49-1      | Slv 1729-49-1 |
| Scotland                 | Stld      | Silva 1729-49-2      | Slv 1729-49-2 |
| Scottish Chief           | SCf       | Silva 1729-49-3      | Slv 1729-49-3 |
| Seger                    | Sgr       | Silver               | Sv            |
| Segetal                  | Sgl       | Silvermine           | Svm           |
| Seizure                  | Szr       | Simcoe               | Smc           |
| Selecta 41372            | Slt 41372 | Simo Takieincer      | ST            |
| Selekeni 2               | Sl 2      | Sir Douglas Haig     | SDH           |
| Seminole                 | Sml       | Sirius               | Srus          |
| Semvome                  | Smv       | Sirius II            | Srus 2        |
| Senator                  | St        | Sixty Day            | SD            |
| Sensation                | Ss        | Slow Victoria        | SVta          |
| Setosa                   | Sts       | Smyrna               | Syn           |
| Severianin               | Svr       | Sobieszynski         | Sbs           |
| Sevnothree               | Snt       | Solacki              | Sck           |
| Shadeland Climax         | SC        | Solhavre             | Shr           |
| Shadeland Hull-less      | SH        | Solida               | Slda          |
| Shasta                   | Sht       | South Dakota 334     | SDak 334      |
| Shatilovsky 56           | Sty 56    | Southland            | Sld           |
| Shatilovsky Neulutchenny | SNl       | Sovereign            | Srg           |
| Shefford                 | Sfd       | Sparable             | Sbl           |
| Shelby                   | Sby       | Sparrowbill          | Sr            |
| Shield                   | Shd       | Sparta               | Spt           |



|                        |            |
|------------------------|------------|
| Spitfire               | Sfr        |
| Spokane Hull-less      | SHl        |
| Spontania              | Sptn       |
| Spooner                | Spn        |
| Standwell              | Sdl        |
| Stanton                | Stn        |
| Stanton 1              | Stn 1      |
| Stanton 2              | Stn 2      |
| Stanton 3              | Stn 3      |
| Stanton 4              | Stn 4      |
| Stark's Hooiemaker     | SHm        |
| State Pride            | SP         |
| Statesville            | Stv        |
| Sterilis Selection     | SSl        |
| Sterilcid              | Stl        |
| Sterisel               | Ssl        |
| Sternhafer             | Shf        |
| Steuben                | Stb        |
| Storm King             | SK         |
| Stormont Arrow         | SA         |
| Stormont Grandee       | SG         |
| Stormont Iris          | SI         |
| Strain 703             | Srn 703    |
| Streckenthiner W. H.   | Sk         |
| Strubes Schlandstedter | SSls       |
| Sturdy                 | Sdy        |
| Styam                  | Sm         |
| Success                | Sc         |
| Sumrak                 | Srk        |
| Sunland                | Snld       |
| Sunrise                | Srs        |
| Superb                 | Sp         |
| Support                | Spr        |
| Suregrain              | Sg         |
| Suttle Breeder         | SB         |
| Sewanee                | Swne       |
| Svalof 8-H-46          | Slf 8-H-46 |
| Svalof Crown           | SCwn       |
| Svalof Victory         | SV         |
| Swedish                | Swd        |
| Swedish Crown          | SCn        |
| Swedish Select         | SS         |
| Swedish Select 1901    | SS 1901    |
| Swedish Victory        | SVt        |
| Swenson                | Ssn        |



|                     |            |                     |          |
|---------------------|------------|---------------------|----------|
| Tabor               | Tbr        | Tonka               | Tka      |
| Taggart             | Tg         | Torch               | Tch      |
| Tam Finlay          | TF         | Traveler            | Tvl      |
| Tammi               | Tmm        | Trelle Dwarf        | TDw      |
| Tammi Selection     | TS         | Trisperma           | Tris     |
| Tammie Tammisto     | TTm        | Trispernia          | Ts       |
| Tarasovka           | Ta         | Triumph             | Tm       |
| Tartar King         | TK         | Triumphal           | Tml      |
| Tartarian           | Tt         | Trojan              | Trj      |
| Tartarico           | Ttc        | Trotter             | Tttr     |
| Tatrzanski          | Ttz        | Tschermake Early    | TE       |
| Tavaliere           | Tlr        | Tschermake Fruhafer | TFr      |
| Tennessee 28        | Tenn 28    | Tulun               | Tln      |
| Tennessee 40        | Tenn 40    | Tulunsky 86/5       | Tns 86/5 |
| Tennessee 52        | Tenn 52    | Tuotto 101          | Ttt 101  |
| Tennessee 59        | Tenn 59    | Tutrice 153         | Ttr 153  |
| Tennessee 81        | Tenn 81    | Twentieth Century   | TC       |
| Tennessee 89        | Tenn 89    | Tyrone Tawley       | TT       |
| Tennessee 97        | Tenn 97    |                     |          |
| Tennessee 090       | Tenn 090   |                     |          |
| Tennessee 313-2     | Tenn 313-2 |                     |          |
| Tennessee 1918      | Tenn 1918  |                     |          |
| Tennessee 1922      | Tenn 1922  |                     |          |
| Tenna               | Tn         |                     |          |
| Tennex              | Tnx        |                     |          |
| Teodezja            | Tz         |                     |          |
| Terjhec             | Tjh        |                     |          |
| Terruf              | Tf         |                     |          |
| Terry               | Ty         |                     |          |
| Texas Red           | TR         |                     |          |
| Texas Red Rustproof | TRR        |                     |          |
| Thousand Dollar     | TD         |                     |          |
| Three Grain         | TG         |                     |          |
| Three Grain Mesh    | TGM        |                     |          |
| Tioga               | Tog        |                     |          |
| Tobolsk             | Tb         |                     |          |
| Todaro 9            | Tr 9       |                     |          |
| Todaro 220          | Tr 220     |                     |          |
| Todaro 221          | Tr 221     |                     |          |
| Todaro 226          | Tr 226     |                     |          |
| Todaro 227          | Tr 227     |                     |          |
| Todaro 232          | Tr 232     |                     |          |



|             |         |
|-------------|---------|
| Udycz Bialy | UB      |
| Udycz Zolty | UZ      |
| Ukraine     | Ukr     |
| Unique      | Uq      |
| Upright     | Upr     |
| Urugland    | Ugld    |
| Uruguay     | Ugy     |
| Uruguay 64S | Ugy 64S |
| Utility     | Ut      |



|                           |         |
|---------------------------|---------|
| Vainaga                   | Vga     |
| Valecovsky                | Vc      |
| Valor                     | Vlr     |
| Van Lochow                | VL      |
| Vanguard                  | Vgd     |
| Vanguard 7                | Vgd 7   |
| Vanguard 339              | Vgd 339 |
| Vavilov                   | Vvl     |
| Ventura                   | Vnt     |
| Verchatchsky 53           | Vcc 53  |
| Verde                     | Vd      |
| Vicar                     | Ver     |
| Vick's Bumper Crop        | VBC     |
| Vicland                   | Vld     |
| Vicland H-46              | Vld 46  |
| Victor                    | Vtr     |
| Victorgrain               | Vg      |
| Victorgrain 2             | Vg 2    |
| Victorgrain 3             | Vg 3    |
| Victorgrain 4             | Vg 4    |
| Victorgrain 5             | Vg 5    |
| Victoria                  | Vtra    |
| Victoria 1                | Vtra 1  |
| Victoria Klein            | VK      |
| Victory                   | Vtry    |
| Victory 1                 | Vtry 1  |
| Vidahore                  | Vdh     |
| Viking                    | Vkn     |
| Vikota                    | Vt      |
| Virginia Gray Winter Turf | VG      |
| Vrome                     | Vm      |



|                    |           |                      |        |
|--------------------|-----------|----------------------|--------|
| Warrigal           | Wr        | White Tartar         | WT     |
| Wase Rokujunichi   | WRk       | White Tartarian      | WTr    |
| Washington White   | WWh       | White Visitor        | WV     |
| Waterloo           | WL        | White Wattle         | WW     |
| Watson             | Wt        | White Wisteria       | Wt     |
| Waubay             | Wby       | White Wunder         | Wwd    |
| Waverly            | Wvr       | Wideawake            | Ww     |
| Wayne              | Wn        | Wild Imported        | WI     |
| Weibull's 16004    | Wbl 16004 | Wild Cat             | Wot    |
| Welcome            | Wc        | Wilga                | Wga    |
| Wernich Golden     | WG        | Wilson Prolific      | Wtl    |
| Westdale           | Wd        | Winema               | Wma    |
| Westene            | Wtne      | Winter Dun           | WD     |
| Western Wonder     | WrW       | Winter Fulghum       | WF     |
| Weston             | Wst       | Winter Hull-less     | WH     |
| White              | Wt        | Winter Resistant 5   | Wrs 5  |
| White August       | WA        | Winter Turf          | Wtf    |
| White Banner       | WB        | Wintok               | Wtk    |
| White Beauty       | WBt       | Winton               | Wtn    |
| White Belgium      | WBg       | Wisconsin 1          | Wis 1  |
| White Bonanza      | WBn       | Wisconsin 4          | Wis 4  |
| White Cross        | WC        | Wisconsin 5          | Wis 5  |
| White Egyptian     | WE        | Wisconsin 7          | Wis 7  |
| White House        | WHs       | Wisconsin 77         | Wis 77 |
| White Hungarian    | WHg       | Wisconsin Pedigree   | WP     |
| White Jewell 132   | WJ 132    | Wisconsin Pedigree 1 | WP 1   |
| White Kherson      | WK        | Wisconsin Pedigree 2 | WP 2   |
| White Maine        | WM        | Wisconsin Pedigree 4 | WP 4   |
| White Montana      | WMt       | Wisconsin Pedigree 5 | WP 5   |
| White Oat          | WO        | Wisconsin Pedigree 7 | WP 7   |
| White Probsteier   | WPb       | Wisconsin Wonder     | Wcw    |
| White Queen        | WQ        | Wodan                | Wdn    |
| White Russian      | WR        | Wolverine            | Wv     |
| White Sparrowbill  | WS        | Wongan               | Wgn    |
| White Spring       | WSg       | Woodford             | Wf     |
| White Spring S 84  | WSg S84   | Woodgrain            | Wg     |
| White Spring S 175 | WSg S175  | Woodward Composite 7 | WCp 7  |
| White Spring S 221 | WSg S221  | Woodward 3           | Wwd 3  |
| White Spring S 225 | WSg S225  | Worthy               | Wth    |
| White Swedish      | WSd       |                      |        |



|                      |     |
|----------------------|-----|
| Yakutsk              | Yt  |
| Yarran               | Yr  |
| Yellow               | Yl  |
| Yellow Danish Island | YDI |
| Yellow Nasgaard      | YN  |
| Yellow Peruvian      | YP  |
| Yenmesh              | Ym  |
| Yielder              | Yd  |

|                    |     |
|--------------------|-----|
| Zanster            | Zs  |
| Zegehaver          | Zg  |
| Zenit              | Zt  |
| Zephyr             | Zph |
| Zieleniak Zamlicki | ZZ  |
| Zhemchuzhina       | Zc  |
| Zloty Dessez       | ZD  |
| Zolty Lochowa      | ZL  |



|        |                           |         |                         |
|--------|---------------------------|---------|-------------------------|
| Aa     | Archangel                 | Alk     | Alaska                  |
| Aa     | <u>Avena abyssinica</u>   | Alm     | Almaris                 |
| Ab     | Abbott                    | Aln     | Alton                   |
| Ab     | <u>Avena barbata</u>      | Alp     | Alpina                  |
| Abd    | Abundance                 | Als     | Alvales                 |
| Abg    | Abegweit                  | Am      | Amery                   |
| ABL    | Antoninski Bialy          | AM      | Awnless Monarch         |
| Abr    | Alber                     | AmB     | American Bonner         |
| Abs    | Abyssinian                | Aml 1   | Amarilla No. I          |
| Abs    | <u>Avena brevis</u>       | Aml 2   | Amarilla No. II         |
| Abz    | <u>Avena byzantina</u>    | An      | <u>Avena muda</u>       |
| Ac     | Achilles                  | And     | Andrew                  |
| AC     | Alberta Cluster           | Ao      | <u>Avena orientalis</u> |
| AC1    | Awnless Culred            | Ap      | Appler                  |
| ACO    | Antonis Capaty Original   | Ap      | <u>Avena pretensis</u>  |
| ACp    | Algerian Cape             | AP      | Awnless Probsteier      |
| Ad     | Adelaar                   | Ar 284  | Aberystwyth S. 84       |
| Ad     | <u>Avena diffusa</u>      | Ard     | Ardri                   |
| Adc    | <u>Avena decora</u>       | Arg     | Argentine               |
| ADG    | Abed Danish Giant         | Arg 12  | Argentine 12            |
| ADM    | Avcine du Maroc           | Arh 674 | Arkansas 674            |
| Adn    | Adonis                    | ArL     | Arlington               |
| Adr    | Adanero                   | AS      | Abed Silver             |
| Ads    | Anderson                  | As      | Alsasman                |
| Adv    | Advance                   | As      | <u>Avena sativa</u>     |
| Af     | <u>Avena fatua</u>        | Asc     | Ascencao                |
| Af A   | <u>Avena fatua</u> "A"    | Asd     | Amisade                 |
| Ag     | <u>Avena gris</u>         | Asg     | <u>Avena strigosa</u>   |
| Agb    | Algeribee                 | Asl     | <u>Avena sterilis</u>   |
| Agc    | Angelica                  | Asq     | Asquith                 |
| Agl    | Argolia                   | At      | Acton                   |
| Agr    | Algerible                 | Ath     | Anthony                 |
| AH     | Alaska Hull-less          | Atr     | Astra                   |
| AJG    | Altesse Jaune of Gembloux | Aur     | Aurora                  |
| Akw    | Arkwin                    | Av      | <u>Avena victoria</u>   |
| Akw 52 | Arkwin 52                 | Avc     | Advocate                |
| Akw 60 | Arkwin 60                 | AW 81   | Aberystwyth White 81    |
| Al     | Adlershafer               | AW 82   | Aberystwyth White 82    |
| Alb    | Albion                    | AWh     | Alcot White             |
| Alc    | Avalanche                 | Ax      | Alexander               |
| Alg    | Algerian                  | AZ      | Antoniski Zolty         |
| Alk    | Alaska                    |         |                         |



|         |                   |         |                      |
|---------|-------------------|---------|----------------------|
| BA      | Black Alaska      | Bht     | Brighton             |
| BAg     | Black Algerian    | Bi      | Binder               |
| BAl     | Blanca Alemana    | BI      | Black Inversable     |
| BAr 107 | Buenos Aires 107  | Bk      | Black                |
| BB      | Boswell's Black   | BK      | Breck's King         |
| BBC     | Bahia Blanca      | Bkl     | Baikal               |
| BB1     | Black Belgium     | Bkr     | Brunker              |
| BBn     | Banners Benalton  | Bl      | Ballard              |
| Bbo     | Bombo             | B1B     | Black Bell           |
| BBt     | Black Beauty      | B1B 2   | Black Bell II        |
| BBy     | Big Boy           | Bld     | Ballidu              |
| Bc      | Bancroft          | Blk     | Beliak               |
| BC      | Bumper Crop       | Bll     | Beall                |
| Ben     | Beacon            | Blr     | Belar                |
| Bco     | Bronco            | Blv     | Boliver              |
| BCr     | Big Corriente     | Blw     | Brigalow             |
| BD      | Black Diamond     | Bly     | Bradley              |
| Bd      | Bond              | Bm      | Barum                |
| Bda     | Bonda             | BM      | Black Mesdag         |
| Bdd     | Buddah            | Bmb     | Bambu                |
| Bdd 991 | Buddah 991        | BMz     | Bialy Mazur          |
| Bde     | Beedee            | BN      | Black Norway         |
| Bdh     | Brundah           | Bnc     | Blanca               |
| Bdr     | Baldur            | Bnd     | Binda                |
| Bdv     | Bondvic           | Bne     | Boone                |
| Be      | Boree             | Bnh     | Branch               |
| BE      | Burt's Early      | Bnk     | Bannock              |
| BF      | Big Four          | Bnl     | Bicknell             |
| BF1     | Bensings Findling | Bnr     | Banner               |
| Bg      | Belgium           | Bnr 507 | Banner 507           |
| Bg 12   | Belgium 12        | Bny     | Bunya                |
| Bga     | Belgian           | Bnz     | Bonanza              |
| Bgh     | Bingham           | BO      | Barley Oat           |
| BGM     | Black Great Mogul | BOL     | Bialy Orzel          |
| Bgr     | Bridger           | BOM     | Black Oat of Morocco |
| Bh      | Biharia           | BOs     | Borris Opus          |
| BH 155  | Bulk Hybrid 155   | BP      | Beardless Probsteier |
| BH 157  | Bulk Hybrid 157   | Bp      | Boppy                |
| BH 158  | Bulk Hybrid 158   | BPd     | Black President      |
| Bhm     | Bonham            | BR      | Black Rival          |



|         |                            |
|---------|----------------------------|
| Br      | Botler                     |
| Brb     | Barbata                    |
| BRG     | Blanche Rigide of Gembloux |
| Brg     | Burraga                    |
| Brgr    | Berger                     |
| Brk     | Burke                      |
| Brr 333 | Berry 333                  |
| Brs     | Borriesa                   |
| Brt     | Bristol                    |
| Bry     | Budgery                    |
| Bs      | Barnsteadt                 |
| BS      | Black Speckled             |
| BS1     | Belsinger Select           |
| Bs1 2   | Beseler II                 |
| Bsle    | Blainslie                  |
| Bsn     | Basin                      |
| BSO     | Black Spring Oat           |
| Bsy     | Bussey                     |
| Bt      | Baltas                     |
| BT      | Black Tartar               |
| Btf     | Bountiful                  |
| Bth     | Bathurst                   |
| BTi     | Black Tartarian            |
| Btl     | Bentland                   |
| Btn     | Benton                     |
| Btr     | Baxter                     |
| Bur     | Burnett                    |
| Bv      | Bavarian                   |
| Bvr     | Beaver                     |
| Bw      | Baldwin                    |
| BW      | Boswell Winter             |
| Bwd     | Birdwood                   |
| BWh     | Bland White                |
| Bwn     | Barwon                     |
| BWO     | Black Winter Oat           |
| By      | Belyak                     |
| BY      | Big Yielder                |
| BY1     | Bright Yellow              |



|         |                         |           |                              |
|---------|-------------------------|-----------|------------------------------|
| Cal     | Craigs Afterlea         | Col       | Columbia                     |
| Calg    | College Algerian        | Coln      | Columbian                    |
| Cam     | Camellia                | Colo 13   | Colorado 13                  |
| Car     | Cartier                 | Colo 37   | Colorado 37                  |
| Cb      | Coastblack              | Com       | Comun                        |
| CB      | Corn Belt               | CP        | Castleton Potato             |
| Cbt     | Colburt                 | Cp        | Copperfield                  |
| Cc      | Calcutta                | CPS       | Combine Pedigree Spring      |
| CC      | Canada Cluster          | CR        | Czar of Russia               |
| Cd      | Canadian                | CRd       | California Red               |
| Cdb     | Ceirch-du-bach          | Crd       | Culred                       |
| Cdb S79 | Ceirch-du-bach S 79     | CrR       | Carolina Red                 |
| Cdb S80 | Ceirch-du-bach S 80     | CrR 2     | Carolina Red 2               |
| Cdd     | Clydesdale              | CRs       | Cherokee Reselection         |
| Cdr     | Cedar                   | Crt       | Corriente                    |
| CdS     | Canadian Side           | Cs        | Cassel                       |
| CES     | Clinton Early Selection | CS        | College Success              |
| Cf      | Cliff                   | CSR 5     | Cornell Smut Resistant 5     |
| CG 5    | Cornell Garry 5         | CSR 5-6-2 | Cornell Smut Resistant 5-6-2 |
| Cg      | Craig                   | CSR 6     | Cornell Smut Resistant 6     |
| CH      | Champion Hadmas         | CSt       | Criolla Saltena              |
| Chk     | Cherokee                | Ct        | Captain                      |
| CL      | Ceirch Llwyd            | Ctf       | Clintafe                     |
| Cl      | Challenge               | Ctl       | Control                      |
| Cld     | Clintland               | Ctn       | Clinton                      |
| Cld 60  | Clintland 60            | Ctn 59    | Clinton 59                   |
| Cld X   | Clintland Irradiated    | Ctr       | Crater                       |
| Cle     | Carolee                 | Cts       | Custis                       |
| Cll     | Criolla                 | Ctt       | Castleton                    |
| Cln     | Clarion                 | Cul       | Culberson                    |
| Clt     | Carleton                | Cv        | Calvert                      |
| Cm      | Creme                   | Cw        | Cropwell                     |
| Cma     | Crema                   | CW        | Culberson Winter             |
| Cmn     | Common                  | CWB       | Condon's White Bonanza       |
| Cmr     | Cimarron                | Cwd       | College Wonder               |
| Cms     | Camas                   | Cwh       | Commercial White             |
| Cmx     | Climax                  | CWK       | Condon's White Kharson       |
| Cnh     | Chernishevka            | Cwl       | Comewell                     |
| Cnk     | Canuck                  | Cwn       | Crown                        |
| Cnl     | Cornellian              | Cwr       | Cowra                        |
| Cnr     | Cinerea                 | Cwr 34    | Cowra 34                     |
| Cntr    | Centore                 | Cwr 35    | Cowra 35                     |
| Cnv     | Chernigovka             | Cwt       | Cypress White                |
| Cok     | Coker                   |           |                              |



|        |                         |
|--------|-------------------------|
| Db     | Daubeney                |
| DC     | Dwarf Culberson         |
| DD     | Don de Dieu             |
| Dd     | Duodecaploid            |
| Dg     | Dodge                   |
| DH     | Dark Husk               |
| DH1    | Diamond Hull-less       |
| DI     | Danish Island           |
| DIS    | Danish Island Swedish   |
| Dk 10  | Dookie 10               |
| Dk 11  | Dookie 11               |
| Dl     | Dryland                 |
| Dlr    | Delair                  |
| DM     | Dwarf Mutant            |
| Dn 119 | Danna 119               |
| DO     | Dwarf Oat               |
| Dp     | Duppawski               |
| Dpr    | Dupree                  |
| DR 88  | Delta Red 88            |
| Ds     | Danish                  |
| DS     | Detenixky Schlanstedsky |
| DsH 22 | Disco Hull-less 22      |
| Dsn 25 | Dickson 25              |
| Dso    | DeSoto                  |
| Dt     | Dratt                   |
| Dtr    | Dzintera                |
| Dub    | Dubois                  |
| Dw     | DeWitt                  |
| DW     | Dodd White              |
| Dwf    | Dwarf                   |
| DWH    | Dipper Weis Hafer       |
| Dx     | Dasix                   |
| DY     | Dreger Yellow           |
| DZ     | Drageruv Zluty          |



|        |                     |
|--------|---------------------|
| EB     | Early Blande        |
| Eb     | Enbaker             |
| Ebn    | Erban               |
| EBt    | Early Burt          |
| EC     | Early Champion      |
| Ec     | Eclipse             |
| ED     | Early Dakota        |
| Ed     | Elder               |
| Edk    | Edkin               |
| EE     | Extra Early         |
| EF     | Early Fellow        |
| Eg     | Eagle               |
| EG     | Early Gothland      |
| Egb    | Engelbrechts        |
| EGb    | Espoir de Gembloux  |
| EGy    | Estramadura Grey    |
| EH     | Earl Haig           |
| EHd 66 | Elite Hardy 66      |
| EJ     | Early Joanette      |
| El     | English             |
| EM     | Early May           |
| EML    | Early Miller        |
| EMn    | Early Mountain      |
| En     | Eaton               |
| EO     | Early Ohio          |
| Eot    | Edelhafer Oat       |
| EP     | Early Pearl         |
| Ep     | Empire              |
| Epr    | Express             |
| Eq     | Esquel              |
| ER     | Extra Reichster     |
| ERp    | Early Ripe          |
| ERR    | Early Red Rustproof |
| Es     | Esakaura            |
| ET     | Early Triumph       |
| ETm    | Eho Tammisto        |
| Exl    | Excel               |
| Ext    | Exeter              |
| Ew     | Elwood              |
| EW     | English Wonder      |
| Ewm    | Emperor William     |
| EWO    | Endress White Oat   |
| EY     | Early Yielder       |



|           |                               |       |                            |
|-----------|-------------------------------|-------|----------------------------|
| FA        | Flores de Avila               | Fs    | Fleischman                 |
| FB        | Full Bright                   | FS    | Fulton Selection           |
| FBO       | French Black Oat              | Ft    | Fortuna                    |
| FC        | Fulwin Composite              | Ftg   | Fichtelgebirgshafer        |
| Fdy       | Fundy                         | Ftn   | Fulton                     |
| FEG       | Ford Early Giant              | Ftx   | Fultex                     |
| Ff        | Fairfield                     | Fv    | Forvic                     |
| Ffx       | Fairfax                       | Fw    | Forward                    |
| Fg        | Fulgrain                      | FW    | Finnish White              |
| Fg 3      | Fulgrain 3                    | FWc 3 | Fishers Wirchenblatter III |
| Fg 4      | Fulgrain 4                    | Fwd   | Fulwood                    |
| Fg 6      | Fulgrain 6                    | Fwn   | Fulwin                     |
| FH        | Fowlds Hull-less              | Fyt   | Fayette                    |
| FJ        | Fourth of July                | Fz    | Frazier                    |
| Fkd       | Forkedeer                     |       |                            |
| Fl        | Foundling                     |       |                            |
| Fla 167   | Florida 167                   |       |                            |
| Fld       | Felder                        |       |                            |
| Fle       | Florilee                      |       |                            |
| Flg       | Fulghum                       |       |                            |
| Flg 713   | Fulghum 713                   |       |                            |
| Flg 726   | Fulghum 726                   |       |                            |
| Fln       | Franklin                      |       |                            |
| Flr       | Florad                        |       |                            |
| Fm        | Fulmer                        |       |                            |
| FN        | Ferguson Navarro              |       |                            |
| Fn        | Finnea                        |       |                            |
| Fng       | Flamingsgold                  |       |                            |
| Fns       | Flamingstreu                  |       |                            |
| FO        | Fair Oat                      |       |                            |
| FPB       | Fifty Pound Black             |       |                            |
| Frg 71    | Ferguson 71                   |       |                            |
| Frg 560   | Ferguson 560                  |       |                            |
| Frg 922   | Ferguson 922                  |       |                            |
| Frl       | Floriland                     |       |                            |
| Frl X 189 | Floriland Irradiated 189      |       |                            |
| FRR       | Frazier's Red Rustproof       |       |                            |
| FRS       | Frazier's Rustproof Selection |       |                            |
| Frt       | Fortune                       |       |                            |
| FRT       | Fulghum Red Texas             |       |                            |



|      |                    |        |                   |
|------|--------------------|--------|-------------------|
| GA   | Grey Algerian      | GRk    | Green's Ruakura   |
| GB   | Golden Beauty      | Grn    | Gouldregen        |
| GBc  | Grise de Beauce    | GRp    | Golden Rustproof  |
| GD   | Golden Drop        | GRs    | Green Russian     |
| Gd   | Gordon             | GS     | Glasnevin Sonas   |
| Gdf  | Goodfield          | GSh    | Golden Sheaf      |
| GDk  | Great Dakota       | Gt     | Garton            |
| Gdn  | Golden             | Gt 5   | Garton No. 5      |
| Gdw  | Goldwin            | Gt 22  | Garton No. 22     |
| GdY  | Golden Yellow      | Gt 74  | Garton No. 74     |
| GF   | Gold Finder        | Gt 473 | Garton No. 473    |
| Gf   | Goldfinder         | Gt 691 | Garton No. 691    |
| Gg   | Gidgee             | Gt 748 | Garton No. 748    |
| GG   | Golden Giant       | Gt 784 | Garton No. 784    |
| GG1  | Golden Gleam       | Gt 948 | Garton No. 948    |
| GGW  | German Gray Winter | Gv     | Grivan            |
| GGy  | Garton Gray        | GW     | Gray Winter       |
| Gh   | Gelhafer           | GWh    | Garton White      |
| GH   | Gray Houdan        | GWr    | Grey Winter       |
| GI   | Glen Innes         | GWy    | Grzywacz Wolynski |
| GI 8 | Glen Innes 8       | Gy     | Garry             |
| Gk   | Goldkorn           | GY     | Garton Yellow     |
| Gl   | Gothland           |        |                   |
| GL   | Great Lizo         |        |                   |
| Glb  | Glabrota           |        |                   |
| Glk  | Gerlock            |        |                   |
| Gm   | Goldmine           |        |                   |
| GM   | Great Mogul        |        |                   |
| GMg  | Gem of Michigan    |        |                   |
| GMr  | Gray Moor          |        |                   |
| GMt  | Green Mountain     |        |                   |
| GN   | Great Northern     |        |                   |
| Gnn  | Grignonnaise       |        |                   |
| Gph  | Gopher             |        |                   |
| GQ   | Gold Queen         |        |                   |
| GR   | Golden Rain        |        |                   |
| GR 1 | Golden Rain 1      |        |                   |
| GR 2 | Golden Rain 2      |        |                   |
| Gr   | Guyra              |        |                   |



|               |                             |
|---------------|-----------------------------|
| Hb 15         | Harbin 15                   |
| Hbd 2795-11-5 | Hybrid 2795-11-5            |
| Hbg           | Holmberg                    |
| Hbg 54        | Holmberg 54                 |
| Hbs           | Hobson                      |
| HBT           | Howdale Black Tartar        |
| HC            | Hairy Culberson             |
| Hc            | Hatchett                    |
| Hck           | Hancock                     |
| HD            | Heyne Dwarf                 |
| HF            | Hay's Favorite              |
| HFA 12 M S    | Hybrido Fe Au 12 M.S.       |
| HFd           | Horse Feed                  |
| HHB           | Hasting's Hundred Bushel    |
| HIB           | Honester Imperial Blanca    |
| Hiv 3         | Hiver III                   |
| Hj            | Hajira                      |
| Hl            | Hull-less                   |
| Hld           | Highland                    |
| Hm 7          | Hermit 7                    |
| Hm 10         | Hermit 10                   |
| Hn            | Hutchenson                  |
| Hng           | Hasting                     |
| Hns           | Hennessey                   |
| HnS           | Hutchenson's Selection      |
| HPBW          | Hardy Prolific Black Winter |
| Hrn           | Huron                       |
| Hrn X         | Huron Irradiated            |
| Hs 41         | Hansen's 41                 |
| HS 54         | Havre Stam 54               |
| HS 58         | Havre Stam 58               |
| Hsb           | Hirschbacker                |
| Hsn           | Hudson                      |
| Hv            | Harvester                   |
| Hvl           | Hvitling                    |
| Hvn           | Hatvan                      |
| Hvr 3         | Haver III                   |
| Hw            | Heavyweight                 |
| HWC           | Heavy Weight Champion       |
| Hwk           | Hawkeye                     |
| HY            | Haciali Yulafi              |
| HZ            | Hozan Zairai                |



|         |                          |
|---------|--------------------------|
| IA      | Improved American        |
| IAB     | Improved American Banner |
| Id      | Indian                   |
| Idm     | Idamine                  |
| Ido     | Indio                    |
| IH      | Illinois Hull-less       |
| IHg     | Improved Hungarian       |
| II      | Imbros Island            |
| IJ      | Isbell's New Johnson     |
| Ill 243 | Illinois 243             |
| In      | Innokentievka            |
| Iog     | Iogold                   |
| Iogr    | Iogren                   |
| Iom     | Iomine                   |
| Iow     | Iowar                    |
| IS      | Improved Swedish         |
| Ith     | Ithacan                  |
| IV      | Irish Victor             |
| Iv      | Ivanovka                 |



|     |                  |
|-----|------------------|
| JA  | Janned Artois    |
| Jg  | Jongensklip      |
| Jks | Jackson          |
| Jm  | James            |
| JN  | Janetzky Newbred |
| Jn  | Jumin            |
| Jp  | Jaipur           |
| Jpn | Japan            |
| Jsn | Johnson          |
| Jst | Jostrain         |
| Jt  | Joanette         |



|         |                    |
|---------|--------------------|
| Kb 01   | Khybing 01         |
| Kb 02   | Khybing 02         |
| KC      | Klein Capa         |
| Kc      | Kuchuki            |
| Kcl     | Koscielecki        |
| Kd      | Kendall            |
| Kds     | Kandas             |
| KG      | Kirche's Gelb      |
| KGh     | Kirche's Gelbhafer |
| KH      | Kilby Hull-less    |
| Kh      | Kirshe             |
| Khr     | Kherson            |
| Khr 22  | Kherson 22         |
| Khr 27  | Kherson 27         |
| Khr 34  | Kherson 34         |
| Khr 99  | Kherson 99         |
| Kk 596  | Kharkov 596        |
| Kln 69b | Klein 69b          |
| Kln A1  | Klein Al           |
| KM      | Klein Mar          |
| KM 106  | Klein Mar 106      |
| KN      | Korean Native      |
| Kn      | Krasnoe            |
| Knt     | Kanota             |
| Kr      | Korall             |
| KrG     | Krafft's Gelbhafer |
| Krj     | Kurrajong          |
| Krl     | Kareela            |
| Krr     | Kurri              |
| Ks      | Keystone           |
| Ksl     | Kelsall            |
| Ktk     | Kytokaura          |
| KU      | Klein Ua           |
| KV      | Klein Victoria     |
| Kv      | Kremova            |
| Kvn     | Kelvin             |
| KVn     | Kolben's Vienauer  |
| Kvr     | Kinvarra           |
| Kvr A8  | Kinvarra A-8       |
| Kvr B34 | Kinvarra B-34      |
| Kw      | Kaswarm            |
| KW      | Kirsches Weiss     |
| Kyt     | Kyota              |



|         |                             |       |                |
|---------|-----------------------------|-------|----------------|
| La      | Lanark                      | Ls    | Lawson         |
| Lb      | Liberty                     | LS    | Ligewo Svalof  |
| LB      | Ligowo Bril                 | LS1   | La Salle       |
| LBd     | Lembkes Baldur              | Lt    | Letoria        |
| Lbs     | Libertas                    | LtS   | Letoria Sel.   |
| LBS     | Lilly's Black Side          | LtS 6 | Letoria Sel. 6 |
| Le      | Lincoln                     | Lv    | Levic          |
| Lcy     | Legacy                      | LvS   | Levic Sel.     |
| LE      | La Estanzuela               | Lz    | Lazio          |
| LE 64S  | La Estanzuela 64S           |       |                |
| Lec     | LeConte                     |       |                |
| LF      | Lischower Freehafer         |       |                |
| Lf      | Longfellow                  |       |                |
| Lg      | Laggan                      |       |                |
| LG      | Ligowo Giant                |       |                |
| Lge 834 | Lignee 834                  |       |                |
| Lge 979 | Lignee 979                  |       |                |
| Lgg     | Langgewens                  |       |                |
| Lgn     | Logan                       |       |                |
| Lgv     | Ligovo                      |       |                |
| Lgw     | Ligowo                      |       |                |
| Lh      | Landhafer                   |       |                |
| LH      | Liberty Hull-less           |       |                |
| LH1     | Large Hull-less             |       |                |
| LHs     | Light Husk                  |       |                |
| LHt     | Long Houghton               |       |                |
| LI      | La Industria                |       |                |
| Ll      | Lachlan                     |       |                |
| Lln     | Lelina                      |       |                |
| Llt     | Lelate                      |       |                |
| Lm      | Lemont                      |       |                |
| LMHJA   | Lh 3x Mdo 2x Hj x Jt 4x And |       |                |
| Lmp     | Lampton                     |       |                |
| Lnr     | Lenoir                      |       |                |
| LP      | La Prevision                |       |                |
| LP 13   | La Prevision 13             |       |                |
| LR      | Lawson Rustproof            |       |                |
| Lr      | Lenroc                      |       |                |
| Lrl     | Laurel                      |       |                |
| Lrn     | Larain                      |       |                |
| Lry     | Leroy                       |       |                |



|               |                     |                |                                     |
|---------------|---------------------|----------------|-------------------------------------|
| MA            | Marrett's Anderson  | Mlf            | Milford                             |
| MAg           | Mazas Agras         | Mlg            | Mulga                               |
| Man 340       | Maine 340           | Mlt            | Milton                              |
| Mar           | Marne               | Mm             | Marmi                               |
| Mb            | Mabel               | Mmc            | Marmee                              |
| MC            | Mammoth Cluster     | Mmk            | Miemark                             |
| Mc            | Montcalm            | Mmr            | Midmark                             |
| Men           | Macon               | Mmt            | Mammoth                             |
| MCR           | Madison County Red  | MN             | Mi Nue                              |
| MCr           | Multiple Cross      | Mn 044         | Maganski 044                        |
| Md            | Madrid              | Mn 339         | Maganski 339                        |
| Mdo           | Mindo               | Mn A339        | Maganski A339                       |
| Mfr           | Montferrandaise     | Mnr            | Minor                               |
| Mg            | Moregrain           | Mont           | Montana                             |
| Mgh 82        | Malgah 82           | Mps            | Mopso                               |
| Mgl           | Mygall              | Mr             | Macrocarpa                          |
| Mgm           | Monogram            | Mrd            | Marida                              |
| Mgst          | Magistral           | Mrh            | Monarch                             |
| Mgt           | Margaritovo         | Mrj            | Myraj                               |
| MH            | Multiple Hybrid     | Mrn            | Marion                              |
| Mhf           | Minhafer            | Mro            | Morota                              |
| Mhk           | Mohawk              | Mrr H599-8-X-9 | Marrett's H 599-8-X-9               |
| MHy 75        | Marrett's Hybrid 75 | Mrs            | Minrus                              |
| Mich          | Michigan            | Ms 1           | Mansholt I                          |
| Minn 2-22-220 | Minnesota II-22-220 | Ms 2B          | Mansholt II B                       |
| Minn 6        | Minnesota 6         | Ms 3           | Mansholt III                        |
| Minn 26       | Minnesota 26        | MS             | Mid-South                           |
| Minn 281      | Minnesota 281       | Msn            | Mission                             |
| Minn 295      | Minnesota 295       | Mstg           | Mustang                             |
| Minn 313      | Minnesota 313       | Mt             | Mutica                              |
| Minn 331      | Minnesota 331       | Mtl            | Myrtle                              |
| Miss P54-D    | Mississippi P 54-D  | Mtn            | Minton                              |
| Mkr           | Markur              | Mto            | Minota                              |
| Mks           | Maskowsky           | Mv             | Marvic                              |
| Mkt           | Markton             | MW             | Michigan Wonder                     |
| Ml            | Miracle             | MWR 6          | Marrett's Winter Resistant 6        |
| ML            | Mortgage Lifter     | MWR 34-11-19   | Marrett's Winter Resistant 34-11-19 |
| Mld           | Minland             | Mxc            | Maximcrop                           |
|               |                     | Mz             | Marczak                             |



|          |                                       |         |                    |
|----------|---------------------------------------|---------|--------------------|
| NA       | Naked Awmless                         | Ntn     | Norton             |
| NB       | New Banker                            | Ntn 3   | Norton 3           |
| NBm      | Novo Belmanovka                       | Ntx     | Nortex             |
| Ncl      | Nicol                                 | Ntx 107 | Nortex 107         |
| Nd       | Nidar                                 | NV      | New Victory        |
| ND       | Ninety Day                            | Nvr     | Navarro            |
| NDW      | New Danish White                      | Nvs     | Noir de Versailles |
| Ndy      | Nodaway                               | NW      | Northern Wonder    |
| NE       | New Era                               | Nw      | Norway             |
| Neb 5    | Nebraska 5                            | Nwt     | Newton             |
| Neb 517  | Nebraska 517                          | Nys     | Nysel              |
| Neb 519  | Nebraska 519                          | Nz      | Nelzowsky          |
| Neb 520  | Nebraska 520                          | NZ      | New Zealand        |
| Neb 521  | Nebraska 521                          |         |                    |
| NERR     | Nicholson's Extra Early Red Rustproof |         |                    |
| NF       | North Finnish                         |         |                    |
| NFB      | North Finnish Black                   |         |                    |
| Nga      | Niagara                               |         |                    |
| NHB      | Nicholson's Hundred Bushel            |         |                    |
| Nj       | Novojatkovo                           |         |                    |
| NJ A-2-2 | New Jersey A-2-2                      |         |                    |
| NJ B-2-2 | New Jersey B-2-2                      |         |                    |
| NJc      | Nizhni Janchich                       |         |                    |
| Nk       | Naked                                 |         |                    |
| NK       | Norway King                           |         |                    |
| Nka      | Nehawka                               |         |                    |
| Nkt      | Nakota                                |         |                    |
| NL       | New Leader                            |         |                    |
| Nm       | Newmarket                             |         |                    |
| Nmh      | Nemaha                                |         |                    |
| Nmz      | Niemierczanski                        |         |                    |
| Nn       | National                              |         |                    |
| NN       | New Nortex                            |         |                    |
| Np       | Nopsa                                 |         |                    |
| Npr      | Nuparie                               |         |                    |
| Nr 2     | Northern 2                            |         |                    |
| Nrl      | Norline                               |         |                    |
| Ns       | Nelson                                |         |                    |
| NS       | New Sensation                         |         |                    |
| Nsho     | Neosho                                |         |                    |



|             |                         |
|-------------|-------------------------|
| OAC 3       | Ont. Agric. College 3   |
| OAC 72      | Ont. Agric. College 72  |
| OAC 144     | Ont. Agric. College 144 |
| OAC 500     | Ont. Agric. College 500 |
| Ob          | Oderbrucker             |
| OC          | Olin's Choice           |
| Oda         | Oneida                  |
| OG          | Oro Gold                |
| OIB         | Old Island Black        |
| Okla 462567 | Oklahoma 462567         |
| On          | Olney                   |
| Onl         | Oriental                |
| Orn         | Orion                   |
| Orn 3       | Orion III               |
| Ort         | Orient                  |
| Osg         | Osage                   |
| Osv         | Osinovka                |
| Ot          | Otterbacker             |
| Ott 1436    | Ottawa 1436             |
| Ovl         | Overland                |
| Ow          | Odenwalder              |
| Owd         | Onward                  |



|        |                          |
|--------|--------------------------|
| PA     | Platonovo Alekandrovskoe |
| PB     | Pelso Black              |
| PBn    | Prolifique Blanche       |
| Pbs    | Probsteier               |
| Pd     | President                |
| Pdk    | Pendek                   |
| PF     | Petkuser Flaminggold     |
| PG     | Palais de Goda           |
| Pg     | Progress                 |
| Pgs    | Portuguesa               |
| PH     | Pusa Hybrid              |
| Pk     | Podkowa                  |
| Pl     | Pavlovka                 |
| Ple    | Peerless                 |
| Plf    | Prolific                 |
| Pll    | Pellerwa                 |
| Plm    | Palomino                 |
| Plr    | Polar                    |
| Pls    | Palestine                |
| Pn     | Polonea                  |
| Pnr    | Pioneer                  |
| PO     | Pluie d'Or               |
| PO 2   | Pluie d'Or II            |
| Pp     | Pampa                    |
| PP     | Pringle Progress         |
| PR     | Prince Royal             |
| Prs    | Primus                   |
| Prs 2  | Primus II                |
| Prtg   | Portage                  |
| Ps     | Pelso                    |
| Pt     | Patterson                |
| Ptf    | Plentiful                |
| Ptg    | Pentagon                 |
| Ptm 61 | Putnam 61                |
| Ptt    | Potato                   |
| PW     | Palouse Wonder           |
| Pw     | Pulawski                 |



|    |               |
|----|---------------|
| QC | Quite Content |
| Qd | Quandong      |
| QG | Quincy Gray   |
| Qk | Quaker        |
| QR | Quincy Red    |
| Qt | Quality       |



|          |                            |     |                          |
|----------|----------------------------|-----|--------------------------|
| RA       | Red Algerian               | RSg | Red Spring               |
| RA 236   | Red Algerian 236           | RS1 | Rodney Selection         |
| Ran      | Ransom                     | Rsl | Russell                  |
| Rb       | Rainbow                    | Rso | Rusota                   |
| RC       | Red Coast                  | Rst | Resistance               |
| Rd       | Randolph                   | RSt | Royal Scot               |
| Rdr 1    | Radar 1                    | RSw | Rothenburger Schwarzafer |
| Rdr 2    | Radar 2                    | RT  | Red Texas                |
| Rdy      | Rodney                     | RW  | Reina White              |
| Rf       | Radford                    | Rxt | Roxton                   |
| Rg       | Raleigh                    | RY  | Regenerated Yielder      |
| Rgl      | Rangler                    | RZ  | Radosinsky Zluty         |
| Rgr      | Ranger                     | Rz  | Ritzelhafer              |
| RH       | Race Horse                 |     |                          |
| RI       | Red Inland                 |     |                          |
| RId      | Red Indian                 |     |                          |
| Rku      | Ruakura                    |     |                          |
| Rl       | Rucklands                  |     |                          |
| Rld      | Richland                   |     |                          |
| Rlr      | Rustler                    |     |                          |
| Rm       | Rossman                    |     |                          |
| Rn       | Romana                     |     |                          |
| Rn 6     | Romana 6                   |     |                          |
| Rnk      | Roanoke                    |     |                          |
| RO       | Red Oat                    |     |                          |
| ROb      | Rychlik Oberek             |     |                          |
| Rp       | Rispen or Riapen           |     |                          |
| RP       | River Plate                |     |                          |
| Rpf 14   | Rustproof 14               |     |                          |
| Rpn      | Ripon                      |     |                          |
| Rr       | Record                     |     |                          |
| RR       | Red Rustproof              |     |                          |
| RRB      | Red Rustproof Backcross    |     |                          |
| RRD      | Red Rustproof Double Cross |     |                          |
| RRp      | Ruakura Rustproof          |     |                          |
| Rrs      | Robertson                  |     |                          |
| RS       | Radnorshire Sprig          |     |                          |
| Rs 75    | Russian 75                 |     |                          |
| Rs 76    | Russian 76                 |     |                          |
| Rs 77    | Russian 77                 |     |                          |
| Rs 25537 | Russian 25537              |     |                          |
| Rs 25542 | Russian 25542              |     |                          |



|           |                    |               |                          |
|-----------|--------------------|---------------|--------------------------|
| SA        | Stormont Arrow     | Sh            | Sandhafer                |
| Sas       | Saisine            | SH            | Shadeland Hull-less      |
| Sb        | Siberian           | Shd           | Shield                   |
| Sb 1-45   | Siberian 1-45      | Shf           | Sternhafer               |
| Sb 2-45   | Siberian 2-45      | SHl           | Spokane Hull-less        |
| Sb 3-45   | Siberian 3-45      | SHm           | Stark's Hooiemaker       |
| Sb 4-45   | Siberian 4-45      | Shr           | Solhavre                 |
| Sb 245    | Siberian 245       | Sht           | Shasta                   |
| SB        | Suttle Breeder     | SI            | Stormont Iris            |
| Sbh       | Silberhafer        | SK            | Storm King               |
| Sbl       | Sparable           | Sk            | Streckenthiner W. H.     |
| Sbr       | Silber             | Skv 7237      | Shlykov 7237             |
| Sbry 1044 | Sibiryak 1044      | Skv 8231      | Shlykov 8231             |
| Sbs       | Sobieszynski       | Skv 8232      | Shlykov 8232             |
| Sby       | Shelby             | Sl 2          | Selekeni 2               |
| SC        | Shadeland Climax   | Sld           | Southland                |
| Sc        | Success            | Slda          | Solida                   |
| SCf       | Scottish Chief     | Slf 8-H-46    | Svalof 8-H-46            |
| Schm      | Schoolmam          | Slg           | Schlagler                |
| Sck       | Solacki            | Slt 41372     | Selecta 41372            |
| Scld      | Scotchland         | Slv           | Silva                    |
| SCn       | Swedish Crown      | Slv 1729-49-1 | Silva 1729-49-1          |
| Sct       | Scotian            | Slv 1729-49-2 | Silva 1729-49-2          |
| SCwn      | Svalof Crown       | Slv 1729-49-3 | Silva 1729-49-3          |
| Sd        | Sidonian           | Sm            | Styam                    |
| SD        | Sixty Day          | Smc           | Simcoe                   |
| SDak 334  | South Dakota 334   | Smh 7         | Schumacher 7             |
| SDH       | Sir Douglas Haig   | Sml           | Seminole                 |
| Sdl       | Standwell          | Smt 88        | Samantha 88              |
| Sdy       | Sturdy             | Smt 103       | Samantha 103             |
| Sf        | Sandford           | Smv           | Semvome                  |
| SF        | Santa Fe           | SN            | Salzer's National        |
| SF 1-1    | Santa Fe 1 Sel. 1  | Sn            | Schoenen                 |
| SF 1-2    | Santa Fe 1 Sel. 2  | SNl           | Shatilovsky Neulutchenny |
| Sfd       | Shefford           | Snld          | Sunland                  |
| Sfr       | Spitfire           | Sns           | Silensia                 |
| SFS       | Santa Fe Selection | Snt           | Sevnothree               |
| SG        | Stormont Grandee   | Sny           | Sidney                   |
| Sg        | Suregrain          | SP            | State Pride              |
| Sgh       | Siegeshafer        | Sp            | Superb                   |
| Sgl       | Segetal            | Spn           | Spooner                  |
| Sgr       | Seger              | Spr           | Support                  |



|         |                       |
|---------|-----------------------|
| Spt     | Sparta                |
| Sptn    | Spontania             |
| Sr      | Sparrowbill           |
| Srg     | Sovereign             |
| Srk     | Sumrak                |
| Srn 703 | Strain 703            |
| Srs     | Sunrise               |
| Srus    | Sirius                |
| Srus 2  | Sirius II             |
| Ss      | Sensation             |
| SS      | Swedish Select        |
| SS 1901 | Swedish Select 1901   |
| SS1     | Sterilis Selection    |
| Ssl     | Sterisel              |
| SSls    | Strubes Schlanstedter |
| Ssn     | Swenson               |
| St      | Senator               |
| ST      | Simo Takioincer       |
| Stb     | Steuben               |
| Stl     | Steriloid             |
| Stld    | Scotland              |
| Stn     | Stanton               |
| Stn 1   | Stanton 1             |
| Stn 2   | Stanton 2             |
| Stn 3   | Stanton 3             |
| Stn 4   | Stanton 4             |
| Sts     | Setosa                |
| Stv     | Statesville           |
| Sty 56  | Shatilovsky 56        |
| Sv      | Silver                |
| SV      | Svalof Victory        |
| Svm     | Silvermine            |
| Svr     | Severianin            |
| SVt     | Swedish Victory       |
| SVta    | Slow Victoria         |
| Sw      | Sandwich              |
| SW      | Siberian White        |
| Swd     | Swedish               |
| Swne    | Suwannee              |
| Swr     | Schwarzhafer          |
| SWT     | Siberian Winter Turf  |
| Sy      | Sandy                 |
| Syn     | Smyrna                |
| Syr     | Sayre                 |
| Szr     | Seizure               |



|            |                     |         |                     |
|------------|---------------------|---------|---------------------|
| Ta         | Tarasovka           | Tris    | Trisperma           |
| Tb         | Tobolsk             | Trj     | Trojan              |
| Tbr        | Tabor               | TRR     | Texas Red Rustproof |
| TC         | Twentieth Century   | TS      | Tammi Selection     |
| Tch        | Torch               | Ts      | Trispernia          |
| TD         | Thousand Dollar     | Tt      | Tartarian           |
| TDw        | Trelle Dwarf        | TT      | Tyrone Tawley       |
| TE         | Tschermake Early    | Ttc     | Tartarico           |
| Tenn 28    | Tennessee 28        | TTm     | Tammie Tammisto     |
| Tenn 40    | Tennessee 40        | Ttr 153 | Tutrice 153         |
| Tenn 52    | Tennessee 52        | Ttt 101 | Tuotto 101          |
| Tenn 59    | Tennessee 59        | Tttr    | Trotter             |
| Tenn 81    | Tennessee 81        | Ttz     | Tatrzanski          |
| Tenn 89    | Tennessee 89        | Tvl     | Traveler            |
| Tenn 97    | Tennessee 97        | Ty      | Terry               |
| Tenn 090   | Tennessee 090       | Tz      | Teodezja            |
| Tenn 313-2 | Tennessee 313-2     |         |                     |
| Tenn 1918  | Tennessee 1918      |         |                     |
| Tenn 1922  | Tennessee 1922      |         |                     |
| TF         | Tam Finlay          |         |                     |
| Tf         | Terruf              |         |                     |
| TFr        | Tschermake Fruhafer |         |                     |
| Tg         | Taggart             |         |                     |
| TG         | Three Grain         |         |                     |
| TGM        | Three Grain Mesh    |         |                     |
| Tjh        | Terjhec             |         |                     |
| TK         | Tartar King         |         |                     |
| Tka        | Tonka               |         |                     |
| Tln        | Tulun               |         |                     |
| Tlr        | Tavaliere           |         |                     |
| Tm         | Triumph             |         |                     |
| Tml        | Triumphal           |         |                     |
| Tmm        | Tammi               |         |                     |
| Tn         | Tenna               |         |                     |
| Tns 86/5   | Tulunsky 86/5       |         |                     |
| Tnx        | Tennex              |         |                     |
| Tog        | Tioga               |         |                     |
| TR         | Texas Red           |         |                     |
| Tr 9       | Todaro 9            |         |                     |
| Tr 220     | Todaro 220          |         |                     |
| Tr 221     | Todaro 221          |         |                     |
| Tr 226     | Todaro 226          |         |                     |
| Tr 227     | Todaro 227          |         |                     |
| Tr 232     | Todaro 232          |         |                     |



|         |             |
|---------|-------------|
| UB      | Udycz Bialy |
| Ugld    | Urugland    |
| Ugy     | Uruguay     |
| Ugy 64S | Uruguay 64S |
| Ukr     | Ukraine     |
| Upr     | Upright     |
| Uq      | Unique      |
| Ut      | Utility     |
| UZ      | Udycz Zolty |



|         |                           |
|---------|---------------------------|
| VBC     | Vick's Bumper Crop        |
| Vc      | Valecovsky                |
| Vcc 53  | Verchatchsky 53           |
| Vcr     | Vicar                     |
| Vd      | Verde                     |
| Vdh     | Vidahore                  |
| Vg      | Victorgrain               |
| Vg 2    | Victorgrain 2             |
| Vg 3    | Victorgrain 3             |
| Vg 4    | Victorgrain 4             |
| Vg 5    | Victorgrain 5             |
| VG      | Virginia Gray Winter Turf |
| Vga     | Vainaga                   |
| Vgd     | Vanguard                  |
| Vgd 7   | Vanguard 7                |
| Vgd 339 | Vanguard 339              |
| VK      | Victoria Klein            |
| Vkn     | Viking                    |
| VL      | Van Lochow                |
| Vld     | Vicland                   |
| Vld 46  | Vicland H-46              |
| Vlr     | Valor                     |
| Vm      | Vrome                     |
| Vnt     | Ventura                   |
| Vt      | Vikota                    |
| Vtr     | Victor                    |
| Vtra    | Victoria                  |
| Vtra 1  | Victoria 1                |
| Vtry    | Victory                   |
| Vtry 1  | Victory 1                 |
| Vvl     | Vavilov                   |



|           |                      |          |                      |
|-----------|----------------------|----------|----------------------|
| WA        | White August         | WP 1     | Wisconsin Pedigree 1 |
| WB        | White Banner         | WP 2     | Wisconsin Pedigree 2 |
| WBg       | White Belgium        | WP 4     | Wisconsin Pedigree 4 |
| Wbl 16004 | Weibull's 16004      | WP 5     | Wisconsin Pedigree 5 |
| WBn       | White Bonanza        | WP 7     | Wisconsin Pedigree 7 |
| WBt       | White Beauty         | WPb      | White Probsteier     |
| Wby       | Waubay               | WP1      | Wilson Prolific      |
| Wc        | Welcome              | WQ       | White Queen          |
| WC        | White Cross          | Wr       | Warrigal             |
| WCp 7     | Woodward Composite 7 | WR       | White Russian        |
| WcW       | Wisconsin Wonder     | WRk      | Wase Rokujunichi     |
| Wd        | Westdale             | WRs 5    | Winter Resistant 5   |
| WD        | Winter Dun           | WrW      | Western Wonder       |
| Wdn       | Wodan                | Ws       | Watson               |
| WE        | White Egyptian       | WS       | White Sparrowbill    |
| WF        | Winter Fulghum       | WSd      | White Swedish        |
| Wf        | Woodford             | WSg      | White Spring         |
| WG        | Wernich Golden       | WSg S84  | White Spring S 84    |
| Wg        | Woodgrain            | WSg S175 | White Spring S 175   |
| Wga       | Wilga                | WSg S221 | White Spring S 221   |
| Wgn       | Wongan               | WSg S225 | White Spring S 225   |
| WH        | Winter Hull-less     | Wst      | Weston               |
| WHg       | White Hungarian      | Wt       | White                |
| WHs       | White House          | WT       | White Tartar         |
| WI        | Wild Imported        | WTf      | Winter Turf          |
| Wis 1     | Wisconsin 1          | Wth      | Worthy               |
| Wis 4     | Wisconsin 4          | Wtk      | Wintok               |
| Wis 5     | Wisconsin 5          | Wtn      | Winton               |
| Wis 7     | Wisconsin 7          | Wtne     | Westene              |
| Wis 77    | Wisconsin 77         | WTr      | White Tartarian      |
| WJ 132    | White Jewell 132     | WV       | White Victor         |
| WK        | White Kherson        | Wv       | Wolverine            |
| Wl        | Waterloo             | Wvr      | Waverly              |
| WM        | White Maine          | WW       | White Wave           |
| Wma       | Winema               | Ww       | Wideawake            |
| WMt       | White Montana        | Wwd      | White Wonder         |
| Wn        | Wayne                | Wwd 3    | Woodward 3           |
| WO        | White Oat            | WWh      | Washington White     |
| WOT       | Wild Oat             | Wwt      | White Winter         |
| WP        | Wisconsin Pedigree   |          |                      |



|     |                      |
|-----|----------------------|
| Yd  | Yielder              |
| YDI | Yellow Danish Island |
| Yl  | Yellow               |
| Ym  | Yenmesh              |
| YN  | Yellow Nasgaard      |
| YP  | Yellow Peruvian      |
| Yr  | Yarran               |
| Yt  | Yakutsk              |

|     |                    |
|-----|--------------------|
| Zc  | Zhemchuzhina       |
| ZD  | Zloty Dessez       |
| Zg  | Zegehaver          |
| ZL  | Zolty Lochowa      |
| Zph | Zephyr             |
| Zs  | Zanster            |
| Zt  | Zenit              |
| ZZ  | Zieleniak Zamlicki |





